



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 22 86 99 08

### Classification of the application (IPC):

**C09D 11/54, C09D 11/10, C09D 11/38, C09D 11/40, C09D 11/322, B41M 5/00, C09D, D06P**  
**B41J 2/01, D06P 5/00, D06P 5/08, D06P 5/30**

### Technical fields searched (IPC):

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	WO 2012023629 A1 (RICOH CO LTD [JP]; GOTO HIROSHI [JP] ET AL.) 23 February 2012 (2012-02-23) * claims; examples *	1-12
X	JP 2021020394 A (RICOH CO LTD) 18 February 2021 (2021-02-18) * claims; examples 5,6 *	1-12
X	US 2021187971 A1 (SATO YUKI [JP]) 24 June 2021 (2021-06-24) * examples *	1-12
X	US 2015022582 A1 (KATSURAGI KOJI [JP]) 22 January 2015 (2015-01-22) * claim 1; examples *	1-12
X,P	WO 2021201873 A1 (HEWLETT PACKARD DEVELOPMENT CO [US]) 07 October 2021 (2021-10-07) * claims; examples *	1-12
E	EP 4241994 A1 (KYOCERA CORP [JP]) 13 September 2023 (2023-09-13) * claims; examples *	1-12

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search Munich	Date of completion of the search 09 August 2024	Examiner Schmitz, Volker
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### CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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## ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 09-08-2024  
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 2012023629 A1	23-02-2012	CN 103097435 A	08-05-2013
		EP 2606084 A1	26-06-2013
		JP 5793840 B2	14-10-2015
		JP 2012040778 A	01-03-2012
		KR 20130036074 A	09-04-2013
		US 2013143008 A1	06-06-2013
		WO 2012023629 A1	23-02-2012
JP 2021020394 A	18-02-2021	NONE	
US 2021187971 A1	24-06-2021	CN 112752657 A	04-05-2021
		EP 3858631 A1	04-08-2021
		JP 7035209 B2	14-03-2022
		JP WO2020066516 A1	30-08-2021
		US 2021187971 A1	24-06-2021
		WO 2020066516 A1	02-04-2020
US 2015022582 A1	22-01-2015	JP 2015037872 A	26-02-2015
		US 2015022582 A1	22-01-2015
WO 2021201873 A1	07-10-2021	EP 4100255 A1	14-12-2022
		US 2023095396 A1	30-03-2023
		WO 2021201873 A1	07-10-2021
EP 4241994 A1	13-09-2023	CN 116635240 A	22-08-2023
		EP 4241994 A1	13-09-2023
		JP 7338079 B2	04-09-2023
		JP WO2022131245 A1	23-06-2022
		US 2024034898 A1	01-02-2024
		WO 2022131245 A1	23-06-2022